

## ABSTRACT

5        This invention relates to novel nucleic acid molecules  
coding for opioid growth factor receptors. In particular, the  
present invention provides isolated nucleic acid molecules coding  
for human and rat OGF receptors. Antisense molecules, expression  
vectors and host cells, isolated proteins encoded by such nucleic  
10 acid molecules, antibodies directed against such proteins, as  
well as pharmaceutical compositions derived therefrom are also  
included. The invention further provides methods of modulating  
cell growth by using the isolated nucleic acid molecules, the  
antisense molecules and the antibodies directed against the  
15 encoded proteins.